EAST Search History

Ref#	Hits	Search Query		Default Operator	Plurals	Time Stamp
34	147	S3 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:48
S158	99	S157 and diolefin	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:50
\$157	648	S156 and @ad< "20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:50
S156	883	S155 and (oxygen or air)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/04 15:50
S151	1386	(distillation or fraction or fractional) and (propane or butane or C3 or C4 or carbon) and mercaptan and natural gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/04 15:50
S160	703	S159 and (oxygen or air)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/04 15:51
S159	767	(distillation) and (propane or butane or C3 or C4) and mercaptan and natural	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/04 15:51
S155	984	(distillation or fraction or fractional) and (propane or butane or C3 or C4) and mercaptan and natural gas	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/04 15:51
S152	1222	S151 and (oxygen or air)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/04 15:51
S153	906	S152 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:52
S162	98	S161 and diolefin	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:53
S161	550	S159 and @ad< "20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:53
S154	108	S153 and diolefin	US-PGPUB; USPAT	ADJ	ON	2008/01/04 15:53
S163	5008	(((208/208r,243,189,139,213,215,217,240,244,246,249) or (203/28,29,31)).	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/16 10:08
32	401	St and (propane or butane or 33 or C4 or (("3" or "4") adj carbon))	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:08

S167	66	S166 and natural gas	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:09
S166	497	S165 and (oxygen or oxidize or oxidizing or oxidized)	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:09
5168	152	S163 and oxygen same mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:11
S165	669	S164 and @adx"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:11
S164	770	S163 and (propane or butane or C3 or C4 or (("3" or "4") adj carbon))	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:11
S170	68	S169 and (propane or butane)	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:17
S172	9	demercaptanization same (natural gas or distillate)	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:23
S171	9	S170 and natural gas	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:23
S169	141	S168 and @adx"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:24
S175	8	("2042052" "2315820" "2914467" "5179061" "5266293").PN. OR ("5849656").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/16 10:25
S174	27	["2042052" "2094458" "2297751" "2315820" "2361651" "2914467" "3029201" "3454488" "3809643" "4028269" "4033860" "4163708" "4364843" "4481106" "4672047").PN. OR ("5741415").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/16 10:25
S182	48	S174 or S175 or S176 or S177 or S178 or S179	USPAT	ADJ	ON	2008/01/16 10:26
S181	0	("2004/0026297").URPN.	USPAT	ADJ	ON	2008/01/16 10:26
S180	0	("2002/0130062").URPN.	USPAT	ADJ	ON	2008/01/16 10:26
S179	6	("2002/0009404").URPN.	USPAT	ADJ	ON	2008/01/16 10:26
S178	1	("4159964").PN. OR ("7087547").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/16 10:26
5177	16	[("1998863" "2324927" "2966453" "4243551" "4250022" "4378305" "4481107" "4675100" "4824818" "5633216" "5726118" "5741415"). PN. OR ("6485633").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/16 10:26

S176	9	("4435371" "4701303" "5457234" "5700438" "5741415").PN. OR ("6073771").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/16 10:26
S173	8	S172 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:26
S185	2	S184 and mercaptan same oxygen	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:27
S184	6	S183 and (propane or butane)	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:27
S183	33	S182 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:27
S186	2	S184 and mercaptan same (oxygen or air or oxidation or oxidized or oxidizing or oxidize)	US-PGPUB; USPAT	ADJ	ON	2008/01/16 10:28
S187	1390	(fractionation or distillation or separation) same (oxygen or air) same mercaptan	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/16 13:49
S189	36	S188 and natural gas	US-PGPUB; USPAT	ADJ	ON	2008/01/16 13:50
S188	135	S187 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/16 13:50
S191	294	S190 and "208".clas.	US-PGPUB; USPAT	ADJ	ON	2008/01/17 07:31
S190	1781	(removing or remove or removed) sulfur same (oxygen or air)	US-PGPUB; USPAT	ADJ	ON	2008/01/17 07:31
S193	105	S192 and mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/17 07:32
S192	250	S191 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/17 07:32
S195	0	S193 and (absent hydrogen)	US-PGPUB; USPAT	ADJ	ON	2008/01/17 07:33
S194	6	S193 not hydrogen	US-PGPUB; USPAT	ADJ	ON	2008/01/17 07:33
S196	22	("2988500" "3408287" "3565959" "4019869" "4412913").PN. OR ("4490246").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/17 07:42
S197	10	S196 and sulfur same (oxygen or air) and (propane or butane or C4 or C5 or carbon atom)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/17 07:43
S198	9	S196 and sulfur same (oxygen or air) and (propane or butane or C3 or C4 or carbon atom)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/17 07:46

S199	81	S192 and (propane or butane or C3\$1 or C4\$1)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/17 07:48
\$200	56	S199 not ((regenerated or regeneration) with (oxygen or air))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/17 08:10
3201	16	S192 and (natural gas with (propane or butane))	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/17 08:11
5203	7	(("5849656") or ("5169516") or ("20030178342") or ("4490246") or ("4481106") or ("5741415") or ("6441263")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/17 08:53
S202	6	(("5849656") or ("5169516") or ("20030178342") or ("4490246") or ("5741415")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/17 08:53
S206	1	S205 and mercaptan with (air or oxygen)	US-PGPUB; USPAT	ADJ	ON	2008/01/18 09:30
S208	643	S207 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/18 09:31
S207	859	catalytic distillation	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/18 09:31
\$205	1362	S204 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/18 09:31
S204	1954	(catalytic reactor or reaction) distillation	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/18 09:31
5210	63	S208 and sulfur same oxygen	US-PGPUB; USPAT	ADJ	ON	2008/01/18 09:35
5209	73	S208 and sulfur same (oxygen or air)	US-PGPUB; USPAT	ADJ	ON	2008/01/18 09:35
3211	16	("5439867" "5710083" "5726117" "5780001" "5914292" "6184176" "6254766" "6271173" "6274031" "6274533" "6338794" "6346190"). PN. OR ("6482314").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/18 09:39
33	185	S≥ and mercaptan\$2	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:38
S12	23	S11 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:39
S218	0	S213 and mercaptan same oxygen	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:40
3215	0	S213 and mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:40
3212	77	catalytic (fractionation or separation)	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:40

S219	11	\$217 and mercaptan same oxygen	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:43
3217	686	\$216 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:43
220	97	\$217 and (remove or removing or removed) sulfur	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:44
216	906	catalytic (distillation or separation)	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:46
5222	730	S221 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:47
3221	958	catalytic distillation or distillation column reactor	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:47
3214	0	S213 and mercaptan and oxygen	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:47
3213	56	\$212 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/18 10:47
225	95	S222 and (removed or remove or removing) sulfur	US-PGPUB; USPAT	ADJ	ON	2008/01/18 11:03
5224	0	\$222 and (removed or remove or removing) sulfur with high boiling point	US-PGPUB; USPAT	ADJ	ON	2008/01/18 11:03
5226	4	S225 and high boiling point	US-PGPUB; USPAT	ADJ	ON	2008/01/18 11:04
227	114	S222 and mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/18 11:08
3223	11	S222 and mercaptan same oxygen	US-PGPUB; USPAT	ADJ	ON	2008/01/18 11:08
5229	57	\$228 not oxygen (compound or component or element)	US-PGPUB; USPAT	ADJ	ON	2008/01/18 11:09
228	60	\$222 and mercaptan and (oxygen or oxidation)	US-PGPUB; USPAT	ADJ	ON	2008/01/18 11:09
3230	4531	((208/208r,213,215,217,240,244,246,249) or (203/29,32,33,50,81) or (585/253,260,262,264,324,809)). CQLS.	US-PGPUB; USPAT	OR	OFF	2008/01/24 16:04
3232	1923	\$231 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/24 16:08
3231	3549	((208/208r,213,215,217,240,244,246,249) or (203/29,31,50,73,74) or (585/833)).OCLS.	US-PGPUB; USPAT	OR	OFF	2008/01/24 16:08

S233	106	\$232 and (catalytic distillation or distillation column reactor)	US-PGPUB; USPAT	ADJ	ON	2008/01/24 16:09
234	43	\$233 and (oxygen or air)	US-PGPUB; USPAT	ADJ	ON	2008/01/24 16:10
235	34	\$233 and oxygen	US-PGPUB; USPAT	ADJ	ON	2008/01/24 16:11
236	39	\$233 and (oxygen or oxidation)	US-PGPUB; USPAT	ADJ	ON	2008/01/24 16:12
237	1	"5073236".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/24 16:37
238	10	("3919341" "4695560" "4775462" "5087780" "5463134").PN. OR ("5759386").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/24 16:45
2240	49	[("20060011515") or ("4946660") or ("4978439") or ("4861566") or ("4372925") or ("20070108099") or ("6072091") or ("5605619") or ("6805790") or ("20030150780") or ("4391677") or ("6436278") or ("5659106") or ("4935043") or ("4759786") or ("5968347") or ("5424051") or ("6337429") or ("20060107832") or ("20070017852") or ("6447671") or ("633429") or ("6077961") or ("5244643") or ("6740230") or ("20060188424") or ("5659109") or ("6342091") or ("20060231490") or ("4533372") or ("20060267076") or ("6342091") or ("2006058565") or ("4533372") or ("5628880") or ("6178774") or ("6905592") or ("6392108") or ("6139605") or ("5312993") or ("5597539") or ("4376849") or ("4859286") or ("4869740") or ("5345772")).PN.	ius-Popub; iuspat; usocr	ÖR .	OFF	2008/01/24 17:02
239	48	[("20060011515") or ("4946660") or ("4978439") or ("4861566") or ("4372925") or ("20070108099") or ("6072091") or ("5605619") or ("6805790") or ("20030150780") or ("4391677") or ("6436278") or ("5659106") or ("4935043") or ("4759786") or ("5968347") or ("5424051") or ("6337429") or ("20060107832") or ("20070017852") or ("6447671") or ("6337429") or ("6077961") or ("530314") or ("6007706") or ("6221241") or ("5244643") or ("6740230") or ("20060188424") or ("5659109") or ("6342091") or ("20060231490") or ("4533372") or ("2006026706") or ("6342091") or ("4865826") or ("6905592") or ("6392108") or ("6139605") or ("5312993") or ("5597539") or ("4976849") or ("4859286") or ("4869740") or ("4869740") or ("4889545")).FN.	ius-Popub; iuspat; usocr	OR	OFF	2008/01/24 17:02
242	76	S241 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 12:40
241	86	merox process	US-PGPUB; USPAT; USOOR	ADJ	ON	2008/01/25 12:40

S245	40	S244 and distillation	US-PGPUB; USPAT	ADJ	ON	2008/01/25 12:41
S244	63	S242 and mercaptan same (oxygen or air or oxidation)	US-PGPUB; USPAT	ADJ	ON	2008/01/25 12:41
S243	71	S242 and mercaptan and (oxygen or air or oxidation)	US-PGPUB; USPAT	ADJ	ON	2008/01/25 12:41
S248	36	S247 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:01
S247	40	(oxidation or sweetening) with (distillation or fractionation) same mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:01
S246	2280	(oxidation or sweetening) with (distillation or fractionation)	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:01
S250	2	wo-9409090\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/25 13:16
S249	0	wo-199409090\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/25 13:16
S253	27	S252 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:24
S252	41	(oxidative) same (distillation or fractionation) same mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:24
S251	0	(oxidative sweetening) same (distillation or fractionation) same mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:24
S254	1	"5320742".pn.	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:25
S258	9	S257 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:42
S257	9	natural gas same (oxidative or sweetening) same (distillation or fractionation) same mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:42
S256	9	natural gas same (oxidative or \sweetening) same (distillation or tractionation) same mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:42

S255	0	natural gas same (oxidative sweetening) same (distillation or fractionation) same mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:42
S260	2	\$259 not \$258	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:45
5259	11	natural gas same (oxidative or sweetening or oxidation) same (distillation or fractionation) same mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:45
5263	14	\$262 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:46
3262	15	\$261 not \$259	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:46
S261	26	natural gas and (oxidative or sweetening or oxidation) same (distillation or fractionation) same mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:46
S266	19	\$265 and @adx"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:50
S265	36	natural gas liquid and (oxidative or sweetening or oxidation) same (distillation or fractionation)	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:50
5264	487	natural gas and (oxidative or sweetening or oxidation) same (distillation or fractionation)	US-PGPUB; USPAT	ADJ	ON	2008/01/25 13:50
S269	58	\$268 not \$266	US-PGPUB; USPAT	ADJ	ON	2008/01/25 14:10
S268	67	\$267 and @adx "20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 14:10
5267	84	natural gas and (oxidative or sweetening or oxidation) same (distillation or fractionation) and mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/25 14:10
S270	960	catalytic distillation or distillation column reactor	US-PGPUB; USPAT	ADJ	ON	2008/01/25 14:25
S271	263	\$270 and (oxidative or sweetening or oxidation)	US-PGPUB; USPAT	ADJ	ON	2008/01/25 14:26
5273	39	\$272 and @adx "20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 14:27
3272	45	\$271 and natural gas	US-PGPUB; USPAT	ADJ	ON	2008/01/25 14:27
5276	27	\$275 and (distillation or fractionation)	US-PGPUB; USPAT	ADJ	ON	2008/01/25 14:33
3275	105	\$274 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 14:33

5274	121	natural gas same (feed or feedstock or hydrocarbon) and mercaptan with (oxygen or oxidation or oxidative)	US-PGPUB; USPAT	ADJ	ON	2008/01/25 14:33
277	1	"5321163",pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/25 14:46
279	30	\$278 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 15:01
278	32	natural gas same mercaptan with (oxygen or oxidation or oxidative)	US-PGPUB; USPAT	ADJ	ON	2008/01/25 15:01
3282	17	S281 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 15:54
3281	18	arsenic with diolefin	US-PGPUB; USPAT	ADJ	ON	2008/01/25 15:54
5280	44	arsenic same diolefin	US-PGPUB; USPAT	ADJ	ON	2008/01/25 15:54
284	22	\$283 and (oxygen or air or oxidation or oxidative)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/25 16:00
283	49	["2717202" "3186935" "3531542" "3839486" "4003829" "4213847" "4221653" "4307254" "4336407" "4361422" "4439350" "4443559" "4490481" "4533779" "4550012" "4709115" "5087780" "5196612"). FN. OR ("5321163").URFN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/25 16:00
285	1	5320742",pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/25 16:01
286	78	(catalytic distillation or distillation column reactor) same (oxygen or air or oxidation)	US-PGPUB; USPAT	ADJ	ON	2008/01/25 16:11
288	15	S287 and mercaptan	US-PGPUB; USPAT	ADJ	ON	2008/01/25 16:12
3287	64	\$286 and @adx"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/25 16:12
3289	70	natural gas same oxidation same fractionation	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/28 08:46
290	9	\$289 and @adx"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/28 08:47
292	48	\$291 and @adx "20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/28 08:48
3291	129	natural gas and mercaptan same (oxidation or oxygen or air) same (fractionation or distillation or separation)	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/28 08:48

S293	64	natural gas with mercaptan same (oxidation or oxygen or air)	US-PGPUB; USPAT	ADJ	ON	2008/01/28 09:07
S294	57	5293 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/28 09:08
S298	12	\$297 and oxidation same (fractionation or distillation)	US-PGPUB; USPAT	ADJ	ON	2008/01/28 09:13
S297	548	\$296 not \$294	US-PGPUB; USPAT	ADJ	ON	2008/01/28 09:13
S296	586	\$295 and @adx "20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/28 09:13
S295	756	natural gas with (mercaptan or thiol or hydrogen sulphide or sulfur) same (oxidation or oxygen)	US-PGPUB; USPAT	ADJ	ON	2008/01/28 09:13
S299	4	natural gas with (thiol) same (oxidation or oxygen)	US-PGPUB; USPAT	ADJ	ON	2008/01/28 09:16
S302	55	S301 and @ad<"20031030"	US-PGPUB; USPAT	ADJ	ON	2008/01/28 09:17
S301	69	natural gas same (mercaptan) same (oxidation)	US-PGPUB; USPAT	ADJ	ON	2008/01/28 09:17
S300	5485	natural gas and (mercaptan or sulfur) same (oxidation or oxygen)	US-PGPUB; USPAT	ADJ	ON	2008/01/28 09:17
S303	11	(("4481106") or ("5169516") or ("5851383") or ("20030094414") or ("20030085181") or ("20030178342") or ("5320742") or ("4311683") or ("4150962") or ("5449501")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 10:41

^{1/30/2008 2:49:22} PM

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